Index of Authors

Acuff, G.R. *see* Stevenson, T.H.
Aguedo, M. *see* Waché, Y.
Al-Samarrai, T.H. & Schmid, J. A simple method for extraction of fungal genomic DNA, 53
Alviano, C.S. *see* Gomes, R.C.
Ames, J.M. *see* Leejeerajumnean, A.
Andersen, J.K. *see* Nørrung, B.
Andrighetto, C., Psomas, E., Tzanetakis, N., Suzzi, G. & Lombardi, A. Randomly amplified polymorphic DNA (RAPD) PCR for the identification of yeasts isolated from dairy products, 5
Antolín, A. *see* González, I.
Apte, S.C. *see* Davies, C.M.
Aquino, R. *see* Bisignano, G.
Armstrong, L. *see* James, A.L.
Ascencio, F. *see* Guzman-Murillo, M.A.
Atrache, V. *see* Vernozy-Rozand, C.
Auffray, Y. *see* Leblanc, L.
Aurag, J. *see* Zerhari, K.
Autrey, J.C. *see* Jaufeerally-Fakim, Y.
Avrova, A.O. *see* Hyman, L.J.

Basaran, P. & Hang, Y.D. Purification and characterization of acetyl esterase from *Candida guilliermondii*, 167
Bavai, C. *see* Vernozy-Rozand, C.
Bayles, D.O. & Wilkinson, B.J. Osmoprotectants and cryoprotectants for *Listeria monocytogenes*, 23
Baylis, C.L., MacPhee, S. & Betts, R.P. Comparison of methods for the recovery and detection of low levels of injured *Salmonella* in ice cream and milk powder, 320
Beaudette, L.A., Ward, O.P., Pickard, M.A. & Fedorak, P.M. Low surfactant concentration increases fungal mineralization of a polychlorinated biphenyl congener but has no effect on overall metabolism, 155
Bej, A.K. *see* Vickery, M.C.L.
Belin, J.-M. *see* Waché, Y.
Bennett, J. *see* Hudson, J.A.
Bennion, N. *see* Corbitt, A.J.
Bergmark, K. *see* Waché, Y.
Bergquist, P.L. *see* Hazell, B.W.
Betts, R.P. *see* Baylis, C.L.
Bijker, P.G.H. *see* Reinders, R.D.
Birch, P.R.J. *see* Hyman, L.J.
Bisignano, G., Sanogo, R., Marino, A., Aquino, R., D'Angelo, V., Germanò, M.P., De Pasquale, R. & Pizza, C. Antimicrobial activity of *Mitracarpus scaber* extract and isolated constituents, 105
Biziulevičius, G.A. *see* Žukaitė, V.
Blair, I.S. *see* Byrne, C.M.
Blair, I.S. *see* McEvoy, J.M.
Blum, L.J. *see* Oulahal-Lagsir, N.
Boistier, E. *see* Oulahal-Lagsir, N.
Bolton, D.J. *see* Byrne, C.M.
Bonneau, M. *see* Oulahal-Lagsir, N.
Boquet, P. *see* Landraud, L.
Bott, C.B. *see* Duncan, A.J.
Boyaval, P. *see* Métivier, A.
Bradner, J.R. *see* Hazell, B.W.
Branen, J. & Davidson, P.M. Activity of hydrolysed lactoferrin against foodborne pathogenic bacteria in growth media: the effect of EDTA, 233
Bridson, E.Y. & Gould, G.W. Quantal microbiology, 95
Britz, M.L. *see* Juhasz, A.L.
Brooks, P. *see* McKerrow, J.
Brözel, V.S. *see* Lindsay, D.
Burrows, J.M. *see* Szabo, E.A.
Butler, C. *see* Hastings, R.C.
Byrne, C.M., Bolton, D.J., Sheridan, J.J., McDowell, D.A. & Blair, I.S. The effects of preslaughter washing on the reduction of *Escherichia coli* O157:H7 transfer from cattle hides to carcasses during slaughter, 142

Calvert, R.M., Hopkins, H.C., Reilly, M.J. & Forsythe, S.J. Caged ATP — an internal calibration method for ATP bioluminescence assays, 223
Cannatelli, M.A. *see* Nostro, A.
Cantoni, C. *see* Cocolin, L.
Capill, J. *see* Hudson, J.A.
Castillo, A. *see* Stevenson, T.H.
Chan, A.B. *see* Simpkins, S.A.
Chandrashekar, A. *see* Halami, P.M.
Chikindas, M.L. *see* Modi, K.D.
Chilvers, K. *see* James, A.L.
Choi, M.H. & Park, Y.H. Selective control of lactobacilli in kimchi with nisin, 173
Cocolin, L., Manzano, M., Cantoni, C. & Comi, G. Development of a rapid method for the identification of *Lactobacillus* spp. isolated from naturally fermented Italian sausages by using polymerase chain reaction–temperature gradient gel electrophoresis, 126
Coelho, R.R.R. *see* Gomes, R.C.
Collins, M.D. *see* Morse, R.
Comi, G. *see* Cocolin, L.
Compoint, J.-P. *see* Métivier, A.
Contreras, R. *see* Olmos, J.
Cook, N. *see* Simpkins, S.A.
Corbitt, A.J., Bennion, N. & Forsythe, S.J. Adenylate kinase amplification of ATP bioluminescence for hygiene monitoring in the food and beverage industry, 443
Córdoba, J.J. *see* García, C.
Costa, S.O.P. *see* Delamare, A.P.L.
Courthaudon, J.-L. *see* Waché, Y.

Coventry, M.J. *see* Wan, J.
Cox, S.D. *see* Mann, C.M.
Craven, H. *see* Wan, J.
Curic, M. *see* Henriksen, C.M.

D'Angelo, V. *see* Bisignano, G.
D'Angelo, V. *see* Nostro, A.
Da Silveira, M.M. *see* Delamare, A.P.L.
Daniels, M.J. *see* Jaufeerally-Fakim, Y.
Dantigny, P. *see* Demetz, D.
Davidson, P.M. *see* Branen, J.
Davies, C.M. & Apte, S.C. An evaluation of potential interferences in a fluorimetric assay for the rapid detection of thermotolerant coliforms in sewage, 99
De Antonio, C. *see* García-Ortega, L.
De Pasquale, R. *see* Bisignano, G.
Delamare, A.P.L., Costa, S.O.P., Da Silveira, M.M. & Echeverrigaray, S. Growth of *Aeromonas* species on increasing concentrations of sodium chloride, 57
Dellagi, A. *see* Hyman, L.J.
Demetz, D. & Dantigny, P. Influence of the growth rate calculation on the relationship between growth rate and temperature, 272
Demnerová, K. *see* Macková, M.
Dhiman, N. & Khuller, G.K. Immunoreactivity of peptides generated by limited proteolysis of 71-kDa cell wall protein of *Mycobacterium tuberculosis* $H_{37}Ra$ using PLG-microparticles, 345
Dixit, V.S. & Pant, A. Hydrocarbon degradation and protease production by *Nocardiopsis* sp. NCIM 5124, 67
Doherty, A.M. *see* McEvoy, J.M.
Dookun, A. *see* Jaufeerally-Fakim, Y.
Dousset, X. *see* Métivier, A.
Duedahl-Olesen, L., Larsen, K.L. & Zimmermann, W. Rapid detection of malto-oligosaccharide-forming bacterial amylases by high performance anion-exchange chromatography, 312
Duffes, F. *see* Métivier, A.
Duncan, A.J., Bott, C.B., Terlesky, K.C. & Love, N.G. Detection of GroEL in activated sludge: a model for detection of system stress, 28
Dutta, S.K. *see* Hou, L.-H.

Eblen, B.S. *see* Juneja, V.K.
Echeverrigaray, S. *see* Delamare, A.P.L.

Farnleitner, A.H., Kreuzinger, N., Kavka, G.G., Grillenberger, S., Rath, J. & Mach, R.L. Comparative analysis of denaturing gradient gel electrophoresis and temporal temperature gradient gel electrophoresis in separating *Escherichia coli uidA* amplicons differing in single base substitutions, 427
Fedorak, P.M. *see* Beaudette, L.A.
Feng, P. *see* Vernozy-Rozand, C.
Fenlon, D.R. & Wilson, J. Growth of *Escherichia coli* O157 in poorly fermented laboratory silage: a possible environmental dimension in the epidemiology of *E. coli* O157, 118
Fernández, L. *see* Jaspe, A.
Filali-Maltouf, A. *see* Zerhari, K.
Finer, J.J. *see* Finer, K.R.
Finer, K.R. & Finer, J.J. Use of *Agrobacterium* expressing green fluorescent protein to evaluate colonization of sonication-assisted *Agrobacterium*-mediated transformation-treated soybean cotyledons, 406
Finnerty, M. *see* McEvoy, J.M.
Forsyth, G. & Logan, N.A. Isolation of *Bacillus thuringiensis* from Northern Victoria Land, Antarctica, 263
Forsythe, S.J. *see* Calvert, R.M.
Forsythe, S.J. *see* Corbitt, A.J.
Fosse, T. *see* Landraud, L.
Fukuda, S. *see* Masuda-Nishimura, I.

García, C., Martín, A., Timón, M.L. & Córdoba, J.J. Microbial populations and volatile compounds in the 'bone taint' spoilage of dry cured ham, 61
García, T. *see* González, I.
García-Ortega, L., Lacadena, J., Lacadena, V., Masip, M., De Antonio, C., Martínez-Ruiz, A. & Martínez Del Pozo, Á. The solubility of the ribotoxin α-sarcin, produced as a recombinant protein in *Escherichia coli*, is increased in the presence of thioredoxin, 298
Gauthier, M. *see* Landraud, L.
Germanò, M.P. *see* Bisignano, G.
Germanò, M.P. *see* Nostro, A.
Gibson, G.R. *see* Morse, R.
Gomes, R.C., Semêdo, L.T.A.S., Soares, R.M.A., Alviano, C.S., Linhares, L.F. & Coelho, R.R.R. Chitinolytic activity of actinomycetes from a cerrado soil and their potential in biocontrol, 146
González, I., García, T., Antolín, A., Hernández, P.E. & Martín, R. Development of a combined PCR-culture technique for the rapid detection of *Arcobacter* spp. in chicken meat, 207
Gould, G.W. *see* Bridson, E.Y.
Griffiths, M.W. *see* Wu, Y.
Grillenberger, S. *see* Farnleitner, A.H.
Guzman-Murillo, M.A. & Ascencio, F. Anti-adhesive activity of sulphated exopolysaccharides of microalgae on attachment of red sore disease-associated bacteria and *Helicobacter pylori* to tissue culture cells, 473

Halami, P.M., Chandrashekar, A. & Nand, K. *Lactobacillus farciminis* MD, a newer strain with potential for bacteriocin and antibiotic assay, 197

Hang, Y.D. *see* Basaran, P.
Hara-Kudo, Y., Konuma, H., Nakagawa, H. & Kumagai, S. *Escherichia coli* O26 detection from foods using an enrichment procedure and an immunomagnetic separation method, 151
Harold, N. *see* Vickery, M.C.L.
Harrington, D. *see* McEvoy, J.M.
Hartke, A. *see* Leblanc, L.
Hastings, R.C., Butler, C., Singleton, I., Saunders, J.R. & McCarthy, A.J. Analysis of ammonia-oxidizing bacteria populations in acid forest soil during conditions of moisture limitation, 14
Hays, J. *see* Simpkins, S.A.
Hazell, B.W., Te'o, V.S.J., Bradner, J.R., Bergquist, P.L. & Nevalainen, K.M.H. Rapid transformation of high cellulase-producing mutant strains of *Trichoderma reesei* by microprojectile bombardment, 282
Henriksen, C.M., Curic, M. & Nilsson, D. Citrate can partially replace carbon dioxide required for growth of *Lactococcus lactis* subsp. *lactis* biovar. *diacetylactis*, 415
Hernández, P.E. *see* González, I.
Hilton, A.C. *see* Hopkins, K.L.
Hobbs, G. *see* Hoskisson, P.A.
Hopkins, H.C. *see* Calvert, R.M.
Hopkins, K.L. & Hilton, A.C. Simultaneous molecular subtyping and shiga toxin gene detection in *Escherichia coli* using multiplex polymerase chain reaction, 122
Hoskisson, P.A., Hobbs, G. & Sharples, G.P. Response of *Micromonospora echinospora* (NCIMB 12744) spores to heat treatment with evidence of a heat activation phenomenon, 114
Hou, L.-H. & Dutta, S.K. Phylogenetic characterization of several *para*- and *meta*-PCB dechlorinating *Clostridium* species: 16s rDNA sequence analyses, 238
Houshaymi, B.M. *see* Rice, P.
Hudson, J.A., Nicol, C., Capill, J. & Bennett, J. Isolation of shiga toxin-producing *Escherichia coli* (STEC) from foods using EHEC agar, 109
Huis In't Veld, J.H.J. *see* Reinders, R.D.
Hyman, L.J., Birch, P.R.J., Dellagi, A., Avrova, A.O. & Toth, I.K. A competitive PCR-based method for the detection and quantification of *Erwinia carotovora* subsp. *atroseptica* on potato tubers, 330

Isolauri, E. *see* Ouwehand, A.C.

James, A.L., Perry, J.D., Chilvers, K., Robson, I.S., Armstrong, L. & Orr, K.E. Alizarin-β-D-galactoside: a new substrate for the detection of bacterial β-galactosidase, 336
Jaspe, A., Palacios, P., Fernández, L. & Sanjosé, C. Effect of extra aeration on extracellular enzyme activities and ATP concentration of dairy *Pseudomonas fluorescens*, 244
Jaufeerally-Fakim, Y., Autrey, J.C., Daniels, M.J. & Dookun, A. Genetic polymorphism in *Xanthomonas albilineans* strains originating from 11 geographical locations, revealed by two DNA probes, 287
Juhasz, A.L., Stanley, G.A. & Britz, M.L. Microbial degradation and detoxification of high molecular weight polycyclic aromatic hydrocarbons by *Stenotrophomonas maltophilia* strain VUN 10,003, 396
Juneja, V.K. & Eblen, B.S. Heat inactivation of *Salmonella typhimurium* DT104 in beef as affected by fat content, 461
Jurič, P. *see* Lauková, A.

Kai, K. *see* Takayama, Y.
Kanoe, M. *see* Takayama, Y.
Kasai, K. *see* Masuda-Nishimura, I.
Kavka, G.G. *see* Farnleitner, A.H.
Kerovuo, J. & Tynkkynen, S. Expression of *Bacillus subtilis* phytase in *Lactobacillus plantarum* 755, 325
Kharchaf, D. *see* Zerhari, K.
Khbaya, B. *see* Zerhari, K.
Khuller, G.K *see* Dhiman, N
King, K. *see* Wan, J.
Kirjavainen, P.V. *see* Ouwehand, A.C.
Kokeguchi, S. *see* Sawada, S.
Konuma, H. *see* Hara-Kudo, Y.
Kost'ál, J. *see* Macková, M.
Kreuzinger, N. *see* Farnleitner, A.H.
Kumagai, S. *see* Hara-Kudo, Y.

Labbe, R.G. *see* Tseng, W.-J.
Lacadena, J. *see* García-Ortega, L.
Lacadena, V. *see* García-Ortega, L.
Lai, S., Shojaei, H. & Manchester, L.N. The differentiation of *Carnobacterium divergens* using the random amplification of polymorphic DNA polymerase chain reaction technique, 448
Landraud, L., Gauthier, M., Fosse, T. & Boquet, P. Frequency of *Escherichia coli* strains producing the cytotoxic necrotizing factor (CNF1) in nosocomial urinary tract infections, 213
Larsen, K.L. *see* Duedahl-Olesen, L.
Lauková, A., Jurič, P., Vasilková, Z. & Papajová, I. Treatment of sanitary-important bacteria by bacteriocin substance V24 in cattle dung water, 402
Lebeault, J.-M. *see* Solano-Serena, F.
Leblanc, L., Leroi, F., Hartke, A. & Auffray, Y. Do stresses encountered during the smoked salmon process influence the survival of the spoiling bacterium *Shewanella putrefaciens*?, 437

Leejeerajumnean, A., Ames, J.M. & Owens, J.D. Effect of ammonia on the growth of *Bacillus* species and some other bacteria, 385
Leroi, F. *see* Leblanc, L.
Lightfoot, N.F. *see* Rushton, P.
Lindsay, D., Mosupye, F.M., Brözel, V.S. & Von Holy, A. Cytotoxicity of alkaline-tolerant dairy-associated *Bacillus* spp., 364
Linhares, L.F. *see* Gomes, R.C.
Lloyd, D. *see* Tammam, J.D.
Logan, N.A. *see* Forsyth, G.
Lombardi, A. *see* Andrighetto, C.
Lonvaud-Funel, A. *see* Millet, V.
Love, N.G. *see* Duncan, A.J.
Lucia, L.M. *see* Stevenson, T.H.

Mach, R.L. *see* Farnleitner, A.H.
Macková, M., Kost'ál, J. & Demnerová, K. Properties and stability of glycerophosphate oxidase isolated from a mutant strain of *Aerococcus viridans*, 188
MacPhee, S. *see* Baylis, C.L.
Madiraju, M.V.V.S., Qin, M.-H. & Rajagopalan, M. Development of simple and efficient protocol for isolation of plasmids from mycobacteria using zirconia beads, 38
Maeda, K. *see* Takayama, Y.
Manchester, L.N. *see* Lai, S.
Mani, S.K. *see* Reed, R.H.
Mann, C.M., Cox, S.D. & Markham, J.L. The outer membrane of *Pseudomonas aeruginosa* NCTC 6749 contributes to its tolerance to the essential oil of *Melaleuca alternifolia* (tea tree oil), 294
Manzano, M. *see* Cocolin, L.
Marchal, R. *see* Solano-Serena, F.
Marino, A. *see* Bisignano, G.
Marino, A. *see* Nostro, A.
Marion, D. *see* Métivier, A.
Markham, J.L. *see* Mann, C.M.
Marsh, P.D. *see* Whyte, J.
Martial-Gros, A. *see* Oulahal-Lagsir, N.
Martín, A. *see* García, C.
Martín, R. *see* González, I.
Martínez Del Pozo, Á. *see* García-Ortega, L.
Martínez-Ruiz, A. *see* García-Ortega, L.
Masip, M. *see* García-Ortega, L.
Masuda-Nishimura, I., Fukuda, S., Sano, A., Kasai, K. & Tatsumi, H. Development of a rapid positive/absent test for coliforms using sensitive bioluminescence assay, 130
Maszenan, A.M. *see* McKerrow, J.
Mauro, J.M. & Pazirandeh, M. Construction and expression of functional multi-domain polypeptides in *Escherichia coli*: expression of the *Neurospora crassa* metallothionein gene, 161
Mazuy, C. *see* Vernozy-Rozand, C.
McAuley, C. *see* Wan, J.
McCarthy, A.J. *see* Hastings, R.C.
McDowell, D.A. *see* Byrne, C.M.
McDowell, D.A. *see* McEvoy, J.M.
McEvoy, J.M., Doherty, A.M., Finnerty, M., Sheridan, J.J., McGuire, L., Blair, I.S., McDowell, D.A. & Harrington, D. The relationship between hide cleanliness and bacterial numbers on beef carcasses at a commercial abattoir, 390
McGuire, L. *see* McEvoy, J.M.
McKain, N. *see* Wallace, R.J.
McKellar, R.C. *see* Wu, Y.
McKerrow, J., Vagg, S., McKinney, T., Seviour, E.M., Maszenan, A.M., Brooks, P. & Seviour, R.J. A simple HPLC method for analysing diaminopimelic acid diastereomers in cell walls of Gram-positive bacteria, 178
McKinney, T. *see* McKerrow, J.
McLauchlin, J. *see* Ripabelli, G.
Mertens, F. *see* Oberreuter, H.
Métivier, A., Boyaval, P., Duffes, F., Dousset, X., Compoint, J.-P. & Marion, D. Triton X-114 phase partitioning for the isolation of a pediocin-like bacteriocin from *Carnobacterium divergens*, 42
Meyer, V. *see* Reed, R.H.
Meyrand, A. *see* Vernozy-Rozand, C.
Miles, R.J. *see* Rice, P.
Millet, V. & Lonvaud-Funel, A. The viable but non-culturable state of wine microorganisms during storage, 136
Mithani, V. *see* Ripabelli, G.
Modi, K.D., Chikindas, M.L. & Montville, T.J. Sensitivity of nisin-resistant *Listeria monocytogenes* to heat and the synergistic action of heat and nisin, 249
Montet, M.-P. *see* Vernozy-Rozand, C.
Montville, T.J. *see* Modi, K.D.
Morley, K.A. *see* Whyte, J.
Morse, R., Gibson, G.R. & Collins, M.D. Secondary structure analysis of the dissimilatory sulphite reductase in *Desulfovibrio desulfuricans*, 375
Mosupye, F.M. *see* Lindsay, D.
Murayama, Y. *see* Sawada, S.

Nakagawa, H. *see* Hara-Kudo, Y.
Nand, K. *see* Halami, P.M.
Nevalainen, K.M.H. *see* Hazell, B.W.
Nicaud, J.-M. *see* Waché, Y.
Nicholas, R.A.J. *see* Rice, P.
Nicol, C. *see* Hudson, J.A.
Nilsson, D. *see* Henriksen, C.M.
Noble, J. *see* Tammam, J.D.

Nørrung, B. & Andersen, J.K. Variations in virulence between different electrophoretic types of *Listeria monocytogenes*, 228
Nostro, A., Germanò, M.P., D'Angelo, V., Marino, A. & Cannatelli, M.A. Extraction methods and bioautography for evaluation of medicinal plant antimicrobial activity, 379

Oberreuter, H., Mertens, F., Seiler, H. & Scherer, S. Quantification of micro-organisms in binary mixed populations by Fourier-transform infrared (FT-IR) spectroscopy, 85
Okada, Y. *see* Takayama, Y.
Olmos, J., Paniagua, J. & Contreras, R. Molecular identification of *Dunaliella* sp. utilizing the 18S rDNA gene, 80
Orr, K.E. *see* James, A.L.
Oulahal-Lagsir, N., Martial-Gros, A., Boistier, E., Blum, L.J. & Bonneau, M. The development of an ultrasonic apparatus for the non-invasive and repeatable removal of fouling in food processing equipment, 47
Ouwehand, A.C., Isolauri, E., Kirjavainen, P.V., Tölkkö, S. & Salminen, S.J. The mucus binding of *Bifidobacterium lactis* Bb12 is enhanced in the presence of *Lactobacillus* GG and *Lact. delbrueckii* subsp. *bulgaricus*, 10
Owens, J.D. *see* Leejeerajumnean, A.

Paknikar, K.M. *see* Patil, Y.B.
Palacios, P. *see* Jaspe, A.
Paniagua, J. *see* Olmos, J.
Pant, A. *see* Dixit, V.S.
Papajová, I. *see* Lauková, A.
Park, Y.H. *see* Choi, M.H.
Patil, Y.B. & Paknikar, K.M. Biodetoxification of silver–cyanide from electroplating industry wastewater, 33
Pazirandeh, M. *see* Mauro, J.M.
Perry, J.D. *see* James, A.L.
Pickard, M.A. *see* Beaudette, L.A.
Pizza, C. *see* Bisignano, G.
Place, B.M. *see* Rushton, P.
Polyzou, A., Sofianou, D., Pournaras, S. & Tsakris, A. RAPD-fingerprinting of *Serratia marcescens* after formaldehyde inactivation of DNase activity, 419
Pöpping, B. *see* Simpkins, S.A.
Pournaras, S. *see* Polyzou, A.
Praveen Rao, J. & Subramanyam, C. Calmodulin mediated activation of acetyl-CoA carboxylase during aflatoxin production by *Aspergillus parasiticus*, 277
Psomas, E. *see* Andrighetto, C.

Qin, M.-H. *see* Madiraju, M.V.V.S.

Rajagopalan, M. *see* Madiraju, M.V.V.S.
Rath, J. *see* Farnleitner, A.H.
Ray-Gueniot, S. *see* Vernozy-Rozand, C.
Reed, R.H., Mani, S.K. & Meyer, V. Solar photo-oxidative disinfection of drinking water: preliminary field observations, 432
Reilly, M.J. *see* Calvert, R.M.
Reinders, R.D., Bijker, P.G.H., Huis In't Veld, J.H.J. & Van Knapen, F. Use of 8-hydroxyquinoline-β-D-glucuronide for presumptive identification of Shiga toxin-producing *Escherichia coli* O157, 411
Rice, P., Houshaymi, B.M., Nicholas, R.A.J. & Miles, R.J. A rapid biochemical test to aid identification of *Mycoplasma mycoides* subsp. *mycoides* small colony (SC) strains, 70
Ripabelli, G., McLauchlin, J., Mithani, V. & Threlfall, E.J. Epidemiological typing of *Bacillus cereus* by amplified fragment length polymorphism, 358
Roberts, A.D.G. *see* Whyte, J.
Robson, I.S. *see* James, A.L.
Rushton, P., Place, B.M. & Lightfoot, N.F. An evaluation of a laser scanning device for the detection of *Cryptosporidium parvum* in treated water samples, 303

Saibaba, P. *see* Shamala, T.R.
Salminen, S.J. *see* Ouwehand, A.C.
Sanjosé, C. *see* Jaspe, A.
Sano, A. *see* Masuda-Nishimura, I.
Sanogo, R. *see* Bisignano, G.
Saunders, J.R. *see* Hastings, R.C.
Sawada, S., Kokeguchi, S., Takashiba, S. & Murayama, Y. Development of 16S rDNA-based PCR assay for detecting *Centipeda periodontii* and *Selenomonas sputigena*, 423
Scherer, S. *see* Oberreuter, H.
Schmid, J. *see* Al-Samarrai, T.H.
Scurrah, K.J. *see* Szabo, E.A.
Seiler, H. *see* Oberreuter, H.
Semêdo, L.T.A.S. *see* Gomes, R.C.
Seviour, E.M. *see* McKerrow, J.
Seviour, R.J. *see* McKerrow, J.
Shamala, T.R., Shri Jyothi, Y. & Saibaba, P. Stimulatory effect of honey on multiplication of lactic acid bacteria under *in vitro* and *in vivo* conditions, 453
Sharp, R.J. *see* Whyte, J.
Sharples, G.P. *see* Hoskisson, P.A.
Sheridan, J.J. *see* Byrne, C.M.
Sheridan, J.J. *see* McEvoy, J.M.
Shojaei, H. *see* Lai, S.
Shri Jyothi, Y. *see* Shamala, T.R.

Simpkins, S.A., Chan, A.B., Hays, J., Pöpping, B. & Cook, N. An RNA transcription-based amplification technique (NASBA) for the detection of viable *Salmonella enterica*, 75
Singleton, I. *see* Hastings, R.C.
Soares, R.M.A. *see* Gomes, R.C.
Sofianou, D. *see* Polyzou, A.
Solano-Serena, F., Marchal, R., Lebeault, J.-M. & Vandecasteele, J.-P. Selection of microbial populations degrading recalcitrant hydrocarbons of gasoline by monitoring of culture-headspace composition, 19
Stanley, G.A. *see* Juhasz, A.L.
Stevenson, T.H., Castillo, A., Lucia, L.M. & Acuff, G.R. Growth of *Helicobacter pylori* in various liquid and plating media, 192
Subramanyam, C. *see* Praveen Rao, J.
Suzzi, G. *see* Andrighetto, C.
Szabo, E.A., Scurrah, K.J. & Burrows, J.M. Survey for psychrotrophic bacterial pathogens in minimally processed lettuce, 456

Takashiba, S. *see* Sawada, S.
Takayama, Y., Kanoe, M., Maeda, K., Okada, Y. & Kai, K. Adherence of *Fusobacterium necrophorum* subsp. *necrophorum* to ruminal cells derived from bovine rumenitis, 308
Tammam, J.D., Williams, A.G., Noble, J. & Lloyd, D. Amino acid fermentation in non-starter *Lactobacillus* spp. isolated from Cheddar cheese, 370
Tan, S.E. *see* Wan, J.
Tatsumi, H. *see* Masuda-Nishimura, I.
Te'o, V.S.J. *see* Hazell, B.W.
Terlesky, K.C. *see* Duncan, A.J.
Threlfall, E.J. *see* Ripabelli, G.
Timón, M.L. *see* García, C.
Tölkkö, S. *see* Ouwehand, A.C.
Toth, I.K. *see* Hyman, L.J.
Tsakris, A. *see* Polyzou, A.
Tseng, W.-J. & Labbe, R.G. Characteristics of a sporulation stimulating factor from *Clostridium perfringens* type A, 254
Tynkkynen, S. *see* Kerovuo, J.
Tzanetakis, N. *see* Andrighetto, C.

Urlings, H.A.P. *see* Weijtens, M.J.B.M.

Vagg, S. *see* McKerrow, J.
Van Der Plas, J. *see* Weijtens, M.J.B.M.
Van Knapen, F. *see* Reinders, R.D.
Vandecasteele, J.-P. *see* Solano-Serena, F.
Vasilková, Z. *see* Lauková, A.
Vernozy-Rozand, C., Feng, P., Montet, M.-P., Ray-Gueniot, S., Villard, L., Bavai, C., Meyrand, A., Mazuy, C. & Atrache, V. Detection of *Escherichia coli* O157:H7 in heifers' faecal samples using an automated immunoconcentration system, 217
Vickery, M.C.L., Harold, N. & Bej, A.K. Cluster analysis of AP-PCR generated DNA fingerprints of *Vibrio vulnificus* isolates from patients fatally infected after consumption of raw oysters, 258
Villard, L. *see* Vernozy-Rozand, C.
Von Holy, A. *see* Lindsay, D.

Waché, Y., Bergmark, K., Courthaudon, J.-L., Aguedo, M., Nicaud, J.-M. & Belin, J.-M. Medium-size droplets of methyl ricinoleate are reduced by cell-surface activity in the γ-decalactone production by *Yarrowia lipolytica*, 183
Wallace, R.J., Wallace, S.J.A. & McKain, N. Proteolytic activity of ruminal digesta during the feeding cycle in sheep receiving grass hay/concentrate or maize silage/concentrate diets, 317
Wallace, S.J.A. *see* Wallace, R.J.
Wan, J., King, K., Craven, H., McAuley, C., Tan, S.E. & Coventry, M.J. Probelia™ PCR system for rapid detection of *Salmonella* in milk powder and ricotta cheese, 267
Ward, O.P. *see* Beaudette, L.A.
Weijtens, M.J.B.M., Urlings, H.A.P. & Van Der Plas, J. Establishing a campylobacter-free pig population through a top-down approach, 479
Whyte, J., Roberts, A.D.G., Morley, K.A., Sharp, R.J. & Marsh, P.D. Phagocytosis of mycobacteria by U937 cells: a rapid method for monitoring uptake and separating phagocytosed and free bacteria by magnetic beads, 90
Wilkinson, B.J. *see* Bayles, D.O.
Williams, A.G. *see* Tammam, J.D.
Wilson, J. *see* Fenlon, D.R.
Wu, Y., Griffiths, M.W. & McKellar, R.C. A comparison of the Bioscreen method and microscopy for the determination of lag times of individual cells of *Listeria monocytogenes*, 468

Zerhari, K., Aurag, J., Khbaya, B., Kharchaf, D. & Filali-Maltouf, A. Phenotypic characteristics of rhizobia isolates nodulating *Acacia* species in the arid and Saharan regions of Morocco, 351
Zimmermann, W. *see* Duedahl-Olesen, L.
Žukaitė, V. & Biziulevičius, G.A. Acceleration of hyaluronidase production in the course of batch cultivation of *Clostridium perfringens* can be achieved with bacteriolytic enzymes, 203

Index of Subjects

Acceleration of hyaluronidase production (Žukaitê & Biziulevičius) 203
Activity of hydrolysed lactoferrin (Branen & Davidson) 233
Adenylate kinase–ATP bioluminescence detection of hygiene (Corbitt, Bennion & Forsythe) 443
AFLP typing of *Bacillus cereus* (Ripabelli, McLaughlin, Mithani & Threlfall) 358
Alizarin-β-D-galactoside (James, Perry, Chilvers, Robson, Armstrong & Orr) 336
Amino acid catabolism by lactobacilli (Tammam, Williams, Noble & Lloyd) 370
Ammonia-oxidizer ecology in acid soil (Hastings, Butler, Singleton, Saunders & McCarthy) 14
Anti-adhesive activity of sulphated exopolysaccharides of microalgae on attachment of red sore disease-associated bacteria and *Helicobacter pylori* to tissue culture cells (Guzman-Murillo & Ascencio) 473
Antimicrobial activity of *Mitracarpus scaber* (Bisignano, Sanogo, Marino, Aquino, D'Angelo, Germanò, De Pasquale & Pizza) 105
AP-PCR-generated fingerprint analysis of *Vibrio vulnificus* (Vickery, Harold & Bej) 258

Bacillus cytotoxicity (Lindsay, Mosupye, Brözel & von Holy) 364
Bacillus thuringiensis from Antarctica (Forsyth & Logan) 263
Bacteriocin treatment of pathogenic bacteria in dung water (Lauková, Juriš, Vasilková & Papajová) 402
Biodetoxification of silver–cyanide (Patil & Paknikar) 33
Biolistic transformation of *Trichoderma reesei* (Hazell, Te'o, Bradner, Bergquist & Nevalainen) 282
'Bone taint' spoilage of dry cured ham (García, Martín, Timón & Córdoba) 61

Caged ATP for ATP assays (Calvert, Hopkins, Reilly & Forsythe) 223
Calmodulin activates acetyl-CoA carboxylase in aflatoxin production Praveen Rao & Subramanyam) 277
Campylobacter-free pig population (Weijtens, Urlings & Van der Plas) 479
Chitinolytic activity of actinomycetes (Gomes, Semêdo, Soares, Alviano, Linhares & Coelho) 146
Citrate stimulates *Lactococcus lactis* growth (Henriksen, Curic & Nilsson) 415
CNF1 and nosocomial urinary tract infections (Landraud, Gauthier, Fosse & Bouquet) 213
Coliform text using bioluminescence (Masuda-Nishimura, Fukuda, Sano, Kasai & Tatsumi) 130
Colonizing *Agrobacterium* expressing GFP (Finer & Finer) 406
Comparison of *Salmonella* methods (Baylis, MacPhee & Betts) 320
Contamination effect of bovine hide (McEvoy, Doherty, Finnerty, Sheridan, McGuire, Blair, McDowell & Harrington) 390
Control of lactobacilli in kimchi with nisin (Choi & Park) 173

Degradation of recalcitrant hydrocarbons of gasoline (Solano-Serena, Marchal, Lebeault & Vandecasteele) 19
Desulfovibrio sulphite reductase (Morse, Gibson & Collins) 375
Detection methods for *Escherichia coli* O26 (Hara-Kudo, Konuma, Nakagawa & Kumagai) 151
Detection of amylases (Duedahl-Olesen, Larsen & Zimmermann) 312
Detection of *Escherichia coli* O157:H7 in heifers' faecal samples (Vernozy-Rozand, Feng, Montet, Ray-Gueniot, Villard, Bavai, Meyrang, Mazuy & Atrache) 217
Detoxification of PAHs by *Stenotrophomonas maltophilia* (Juhasz, Stanley & Britz) 396

Enzyme activities of *Pseudomonas fluorescens* (Jaspe, Palacios, Fernández & Sanjosé) 244
Erwinia carotovora subsp. *atroseptica* quantification (Hyman, Birch, Dellagi, Avrova & Toth) 330
Extraction of fungal DNA (Al-Samarrai & Schmid) 53

Fusobacterium necrophorum in rumenitis cells (Takayama, Kanoe, Maeda, Okada & Kai) 308

Genetic polymorphism in *Xanthomonas* (Jaufeerally-Fakim, Autrey, Daniels & Dookun) 287
GroEL induction in activated sludge (Duncan, Bott, Terlesky & Love) 28
Growth of *Escherichia coli* O157 in silage (Fenlon & Wilson) 118
Growth of *Helicobacter pylori* in various media (Stevenson, Castillo, Lucia & Acuff) 192
Growth rate calculation (Demetz & Dantigny) 272

Heat resistance of *Salmonella typhimurium* DT104 in beef (Jeneja & Eblen) 461
Heat sensitivity of Nis^r *Listeria monocytogenes* (Modi, Chikindas & Montville) 249
Heat treatment of *Micromonospora* spores (Hoskisson, Hobbs & Sharples) 114
HPLC analysis of DAP (McKerrow, Vagg, McKinney, Seviour, Maszenan, Brooks & Seviour) 178
8-Hydroxyquinoline-β-D-glucuronide and STEC (Reinders, Bijker, Huis in't Veld & van Knapen) 411
Hygiene control method (Oulahal-Lagsir, Martial-Gros, Boistier, Blum & Bonneau) 47

Identification of *Dunaliella* spp. (Olmos, Paniagua & Contreras) 80

Immunoreactivity of 71-kDa peptides (Dhiman & Khuller) 345
Improvement of α-sarcin production (García-Ortega, Lacadena, Lacadena, Masip, de Antonio, Martínez-Ruiz & Martínez del Pozo) 298
Increase in *Bifidobacterium* adhesion (Ouwehand, Isolauri, Kirjavainen, Tölkkö & Salminen) 10
Inhibition of bacteria by ammonia (Leejeerajumnean, Ames & Owens) 385

Laser scanning for *Cryptosporidium parvum* (Rushton, Place & Lightfoot) 303
Listeria monocytogenes (Nørrung & Andersen) 228
Listeria monocytogenes lag times (Wu, Griffiths & McKellar) 468

Medicinal plant antimicrobial activity (Nostro, Germanò, D'Angelo, Marino & Cannatelli) 379
Micro-organisms in binary mixed populations (Oberreuter, Mertens, Seiler & Scherer) 85
Multiplex STX/RAPD of *Escherichia coli* (Hopkins & Hilton) 122
Multiplication of lactic acid bacteria in honey (Shamala, Shri Jyothi & Saibaba) 453
Mycobacterial plasmid recovery protocol (Madiraju, Qin & Rajagopalan) 38
Mycoplasma mycoides identification (Rice, Houshaymi, Nicholas & Miles) 70

NaCl effect on *Aeromonas* growth (Delamare, Costa, Da Silveira & Echeverrigaray) 57
NASBA for the detection of viable *Salmonella enterica* (Simpkins, Chan, Hays, Pöpping & Cook) 75

Oil globule in lactone production (Waché, Bergmark, Courthaudon, Aguedo, Nicaud & Belin) 183
Osmoprotectants for *Listeria monocytogenes* (Bayles & Wilkinson) 23

PCR detection of *Arcobacter* in poultry (González, García, Antolín, Hernández & Martín) 207
PCR for *Centipeda* and *Selenomonas* (Sawada, Kokeguchi, Takashiba & Murayama) 423
PCR identification of dairy associated yeasts (Andrighetto, Psomas, Tzanetakis, Suzzi & Lombardi) 5
PCR-TGGE method to identify *Lactobacillus* spp. (Cocolin, Manzano, Cantoni & Comi) 126
Phagocytosis of mycobacteria (Whyte, Roberts, Morley, Sharp & Marsh) 90
Phase partitioning of bacteriocins (Métivier, Boyaval, Duffes, Dousset, Compoint & Marion) 42
Phylogeny of PCB-dechlorinating *Clostridium* species (Hou & Dutta) 238
Phytase expressed in lactobacilli (Kerovuo & Tynkkynen) 325
Probelia™ PCR system (Wan, King, Craven, McAuley, Tan & Coventry) 267
Properties of glycerophosphate oxidase (Macková, Košťál & Demnerová) 188
Protease production during hydrocarbon degradation (Dixit & Pant) 67
Proteolytic activity of ruminal digesta (Wallace, Wallace & McKain) 317
Pseudomonas aeruginosa resistance to tea tree oil (Mann, Cox & Markham) 294
Psychrotrophic pathogens in lettuce (Szabo, Scurrah & Burrows) 456
Purification of *Candida guilliermondii* (Basaran & Hang) 167

Quantal microbiology (Bridson & Gould) 95

RAPD-fingerprinting of *Serratia marcescens* (Polyzou, Sofianou, Pournaras & Tsakris) 419
RAPD-PCR and *Carnobacterium divergens* (Lai, Shojaei & Manchester) 448
Rapid sewage detection sewage (Davies & Apte) 99
Rhizobia isolates nodulating *Acacia* species (Zerhari, Aurag, Khbaya, Kharchaf & Filali-Maltouf) 351

Sensitivity of *Lactobacillus farciminis* MD (Halami, Chandrashekar & Nand) 197
Separation of *Escherichia coli uidA* amplicons (Farnleitner, Kreuzinger, Kavka, Grillenberger, Rath & Mach) 427
Solar photo-oxidative disinfection (Reed, Mani & Meyer) 432
Sporulation factor of *Clostridium perfringens* (Tseng & Labbe) 254
STEC isolation from foods (Hudson, Nicol, Capill & Bennett) 109
Stress response in *Shewanella putrefaciens* (Leblanc, Leroi, Hartke & Auffray) 437
Surfactants, fungi and polychlorinated biphenyls (Beaudette, Ward, Pickard & Fedorak) 155

Tandem repeat metallothionein proteins (Mauro & Pazirandeh) 161

Viability of wine micro-organisms (Millet & Lonvaud-Funel) 136

Washing beef animals before slaughter (Byrne, Bolton, Sheridan, McDowell & Blair) 142